

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 66,460 lbs. 1

All structural steel shall be AASHTO M 270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

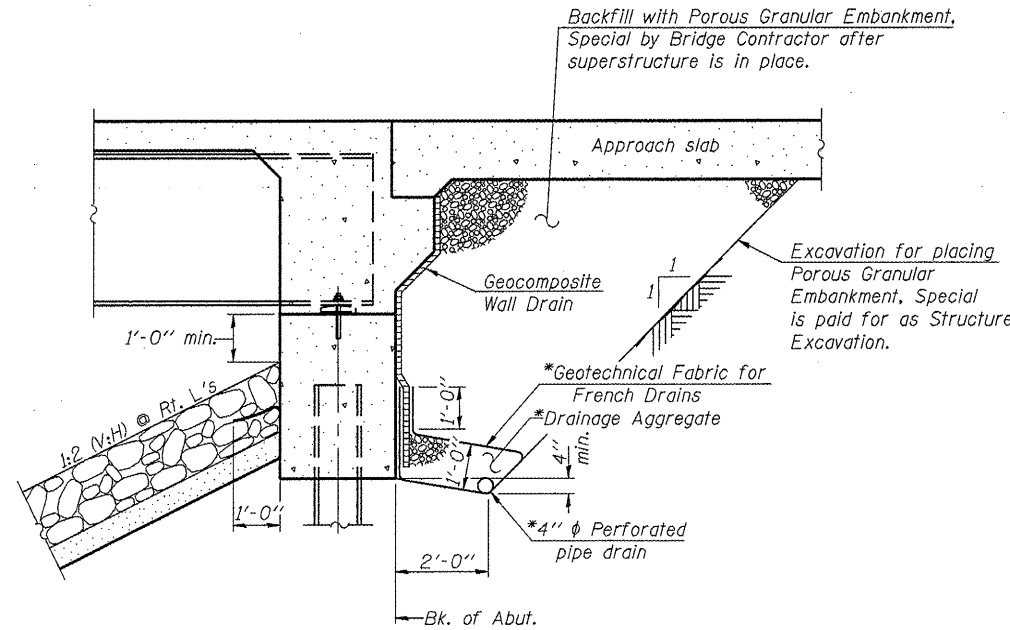
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		100	100
Stone Riprap, Class A4	Sq. Yd.		1076	1076
Filter Fabric	Sq. Yd.		1076	1076
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		117	117
Floor Drains	Each	7		7
Concrete Structures	Cu. Yd.		193.1	193.1
Concrete Superstructure	Cu. Yd.	302.7		302.7
Bridge Deck Grooving	Sq. Yd.	733		733
Concrete Encasement	Cu. Yd.		9.8	9.8
Protective Coat	Sq. Yd.	897		897
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2628		2628
Reinforcement Bars, Epoxy Coated	Pound	72290	20930	93220
Bar Splicers	Each	88		88
Furnishing Steel Piles HP12x53	Foot		1425	1425
Driving Piles	Foot		1425	1425
Test Pile Steel HP12x53	Each		4	4
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		48	48
Geocomposite Wall Drain	Sq. Yd.		77	77
Pipe Underdrains for Structures, 4"	Foot		160	160
Mechanical Splicers	Each		40	40
Underwater Structure Excavation Protection, Location 1	Each		1	1
Underwater Structure Excavation Protection, Location 2	Each		1	1



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

DESIGNED - JAE
CHECKED - BAS
DRAWN - SGM
CHECKED - BAS

1 Revised 10/21/11 BAS



GENERAL NOTES
STRUCTURE NO. 090-3244

SHEET NO. 2	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	156	06-07109-00-BR	TAZEWELL	53	22
22 SHEETS	CONTRACT NO. 89472				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					